The Fronius storage solution

Reserva

Fronius

Technical details

			Reserva 6.3	Reserva 9.5	Reserva 12.6	Reserva 15.8
Electrical parameters	Usable energy	kWh	6.31	9.47	12.63	15.79
	Maximum charge/discharge power [1]	kW	6.55	9.83	12.10	16.38
	Number of battery modules		2	3	4	5
	Rated voltage	V	204.8	307.2	409.6	512
	Voltage range	V	185.6 ~ 227.2	278.4 ~ 340.8	371.2 ~ 454.4	464 ~ 568
	Maximum output current [2]	A	32			

General data	Battery cell chemistry		Lithium iron phosphate (LFP) / Pouch cells			
	Parallel operation [3]		Up to 4 batteries			
	Dimensions (height x width x depth)	mm	890 x 772 x 176	1,140 x 772 x 176	1,390 x 772 x 176	1,640 x 772 x 176
	Total weight	kg	86.5	120	153.5	187
	Compatible inverters		Primo GEN24 Plus (SC) Symo GEN24 Plus (SC) Verto Plus		Primo GEN24 Plus SC Symo GEN24 Plus (SC) Verto Plus	Symo GEN24 Plus (SC) Verto Plus
	Battery efficiency [4]	%	95			
	Protection class		IP65			
	Max. altitude above sea level	m	2,000			
	Ambient temperature range [5]	°C	-20 to +55			
	Permissible humidity	%	5 to 95			
	Installation		Indoor and protected outdoor areas			
	DC connection technology		Stäubli MC4-Evo stor (6 mm²)			
	Certificates and compliance with standards		IEC62619:2022 (includes thermal runaway test under 7.3.3); CE; VDE 2510-50; IEC62477-1; UN38.3			
	Interfaces		RS485			
	Warranty		10 years			
	Expected service life (End of life)		6,000 cycles [6], 60% State of health (SOH)			

[1] *The maximum charge/discharge power may vary depending on temperature, battery state of charge (SOC), and the connected inverter.*

[2] *The charging and discharging current can be limited by the inverter.*

[3] *An identical number of modules per tower is required for parallel operation. Regardless of the number of Fronius Reserva battery towers connected in parallel, the maximum output current is limited to 32 A. Example: Even with 4x15.8 kWh, the maximum DC charging/discharging power of the Fronius Verto Plus 30 remains approx. 16.38 kW.*

[4] *At a charge/discharge rate of 0.2C at 25 °C.*

[5] *Depending on the temperature, the charging/discharging power as well as available capacity can be limited.*

[6] *At a charge/discharge rate of 0.5C.*

			BMS	Base	Module
Reserva Components	Usable capacity	kWh	-	-	3.15
	Rated voltage	V	-	-	102.4
	Dimensions (height x width x depth)	mm	330 x 772 x 176	60 x 772 x 176	250 x 772 x 176
	Dimensions (with packaging)	mm	790 x 554 x 315		790 x 372 x 264
	Weight	kg	16	3.5	33.5
	Weight (with packaging)	kg	25		36.5

Further technical information and charge/discharge power can be found in the solution sheet:

Technical details

The Fronius Reserva is an efficient DC-coupled high-voltage battery for storing solar energy with minimal losses. It can be flexibly expanded with two to five modules and is perfectly matched to Fronius hybrid inverters - for maximum performance. European data security and fast service ensure maximum reliability.

The heart of your PV system

With the Fronius GEN24 Plus, you can enjoy 24 hours of sun at home. The hybrid inverter allows you to connect a battery storage system, making you even more independent.

Backup power for every eventuality

With the Fronius Backup Controller & Backup Switch, you can switch to full backup power operation either automatically or manually. These cost-effective switching components can be installed in the control cabinet to save space and eliminate the need for additional hardware such as switch boxes.

Everything under control

With our Fronius Solar.web monitoring tool, you can keep an eye on your PV system any time, anywhere, keeping your energy transition on track, simply by using it in our app or on the web.

More information about the Fronius Reserva: www.fronius.com/en/reserva

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